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IN THE ABSTRACT:

Please amend the abstract as follows:

--~~This invention relates to the field of measurement methods~~ A measurement method for determining the blood flow rate Q_F in blood carrying lines ~~(40)~~ is provided. It may be used in particular to determine the blood flow in a patient's vessel, which is connected to the extracorporeal circulation ~~(2)~~ of a blood treatment machine by an arterial line ~~(14)~~ and a venous line ~~(15)~~. According to the method ~~this invention~~, the net rate dx/dt of a variable X is determined, with X being ~~which is~~ derived from a physicochemical variable Y of the blood with the help of values Y_A and Y_V which are adequately constant over time, ~~these values characterizing~~ and which respectively characterize the physicochemical property in the arterial line ~~(14)~~ and the venous line ~~(15)~~ during the measurement interval. The net rate dx/dt is then used to determine the blood flow rate Q_F . The targeted use of indicators is not necessary.--